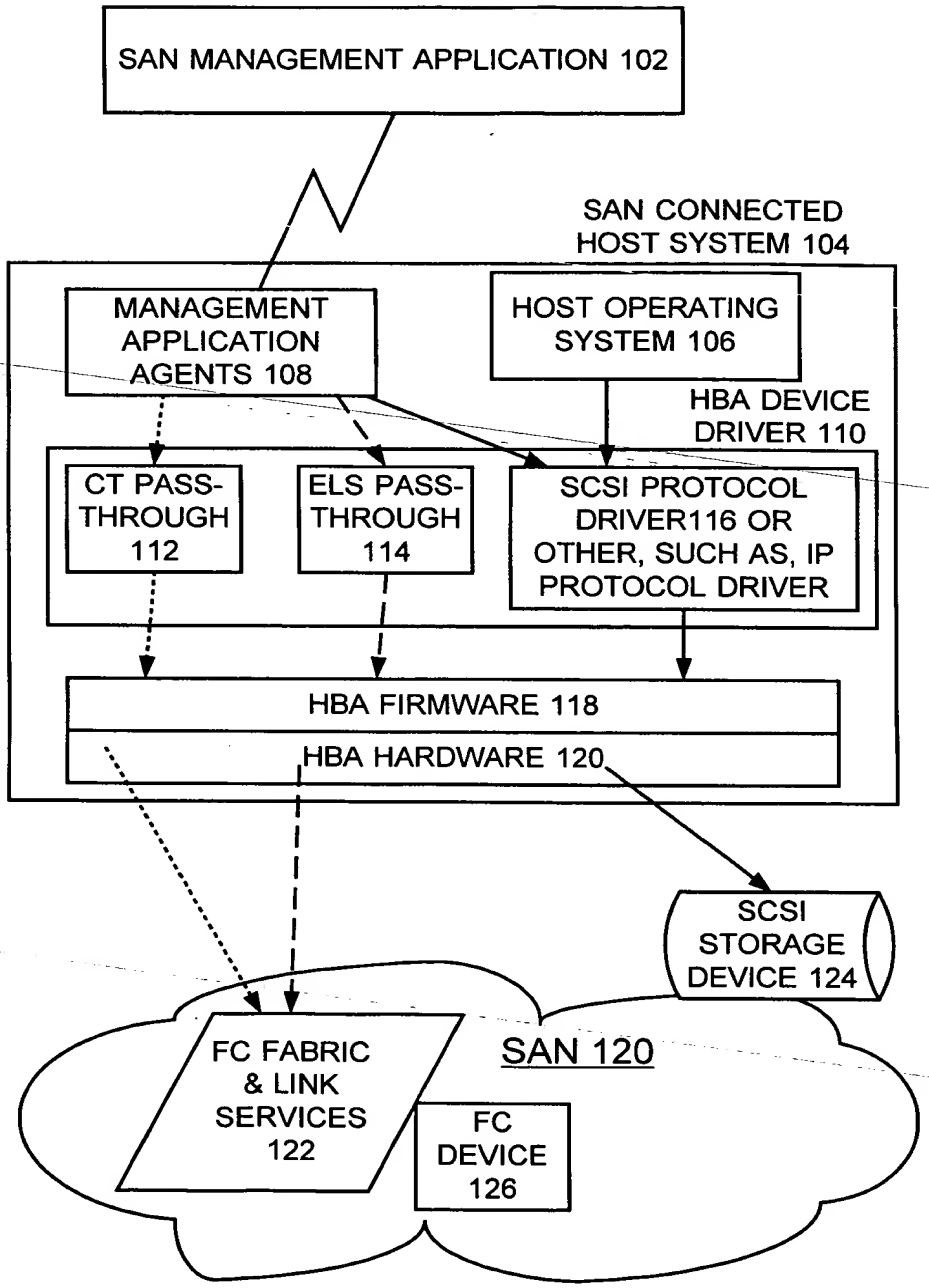
FIG. 1


SAN MANAGEMENT APPLICATION 102
SAN CONNECTED HOST SYSTEM 104
MANAGEMENT APPLICATION AGENTS 108
HOST OPERATING SYSTEM 106
HBA DEVICE DRIVER 110
CT PASS-THROUGH 112
ELS PASS-THROUGH 114
SCSI PROTOCOL DRIVER116 OR OTHER, SUCH AS, IP PROTOCOL DRIVER
HBA FIRMWARE 118
HBA HARDWARE 120
SCSI STORAGE DEVICE 124
FC FABRIC & LINK SERVICES 122
SAN 120
FC DEVICE 126

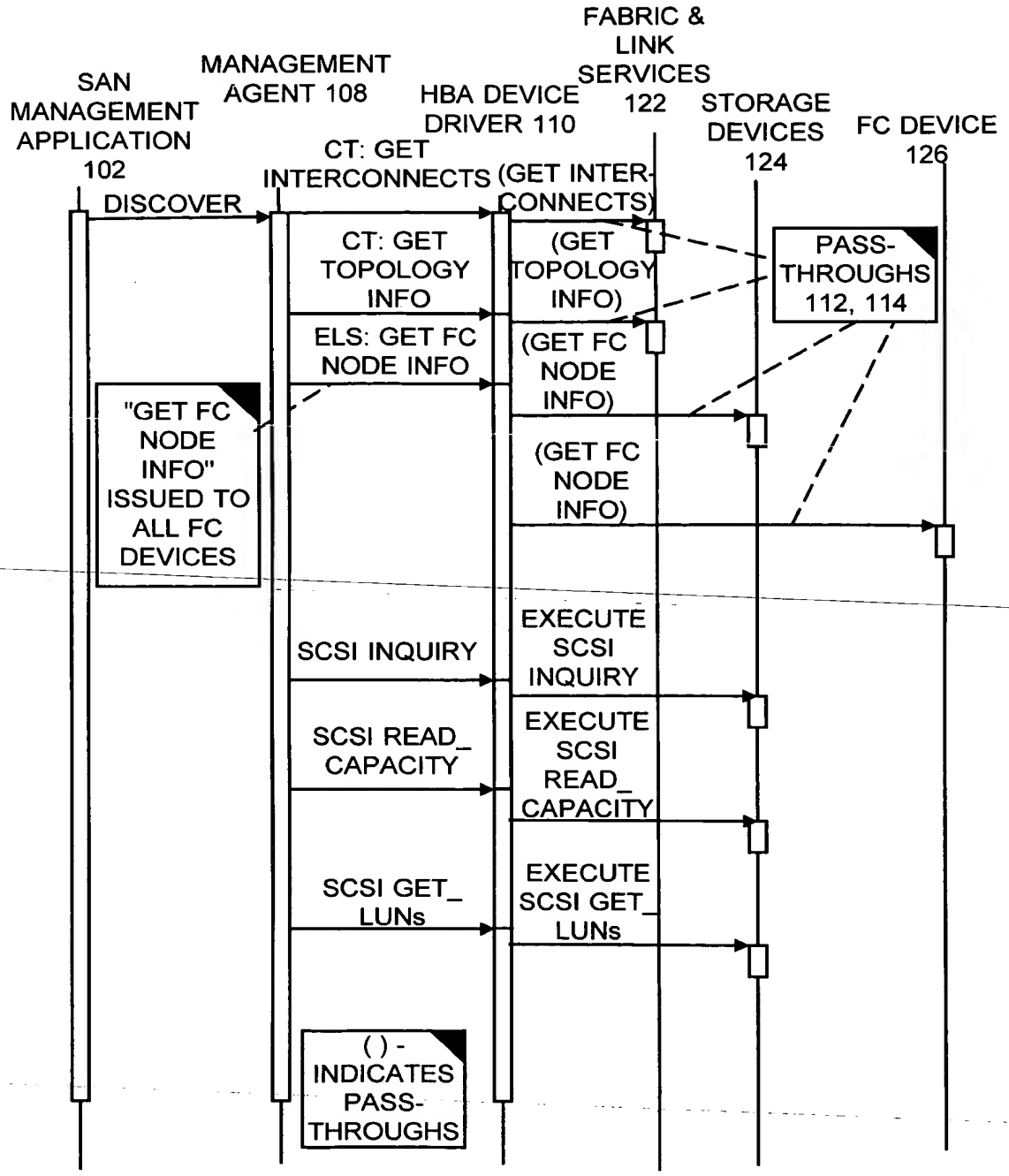
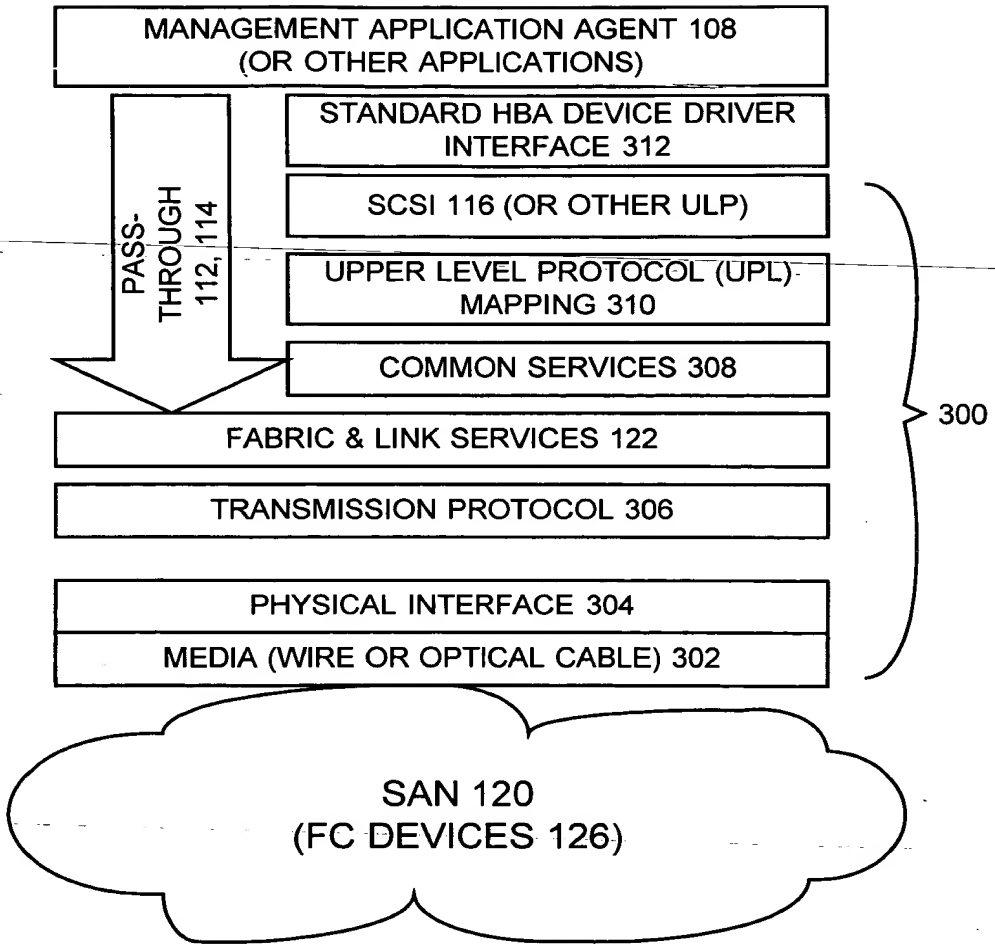

SAN MANAGEMENT APPLICATION 102
MANAGEMENT AGENT 108
HBA DEVICE DRIVER 110
FABRIC & LINK SERVICES 122
STORAGE DEVICES 124
FC DEVICE 126
DISCOVER
CT: GET INTERCONNECTS
(GET INTER-CONNECTS)
CT: GET TOPOLOGY INFO
(GET TOPOLOGY INFO)
PASS-THROUGHS 112, 114
ELS: GET FC NODE INFO
(GET FC NODE INFO)
"GET FC NODE INFO" ISSUED TO ALL FC DEVICES
(GET FC NODE INFO)
SCSI INQUIRY
EXECUTE SCSI INQUIRY
SCSI READ_ CAPACITY
EXECUTE SCSI READ_ CAPACITY
SCSI GET_ LUNs
EXECUTE SCSI GET_ LUNs
( ) - INDICATES PASS-THROUGHS

FIG. 2

FIG. 3


MANAGEMENT APPLICATION AGENT 108
(OR OTHER APPLICATIONS)
STANDARD HBA DEVICE DRIVER INTERFACE 312
SCSI 116 (OR OTHER ULP)
UPPER LEVEL PROTOCOL (UPL) MAPPING 310
COMMON SERVICES 308
PASS-THROUGH 112, 114
FABRIC & LINK SERVICES 122
TRANSMISSION PROTOCOL 306
PHYSICAL INTERFACE 304
MEDIA (WIRE OR OPTICAL CABLE) 302
300
SAN 120
(FC DEVICES 126)